

Converting Colors

CIELCh(63, 11.438, 198.447)

Have a look what the booklet for
CIELCh(63, 11.438, 198.447)
contains.

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Color

CIELCh(63, 11.251, 198.436)

Conversions

Conversions Part 1

Format	Color
Hex	7F9E9E
RGB	127, 158, 158
RGB Percent	50%, 62%, 62%
CMY	0.5007, 0.3791, 0.3791
CMYK	0.20, 0.00, 0.00, 0.38
HSL	180°, 14%, 56%
HSV	180°, 20%, 62%
XYZ	27.2868, 31.5869, 37.1591
YIQ	148.7310, -18.4760, -6.5720

Conversions

Conversions Part 2

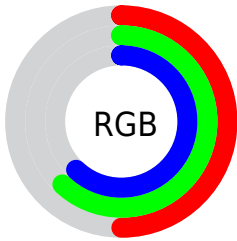
Format	Color
RYB	127, 143, 158
Decimal	8363678
CIELab	63.00, -10.67, -3.56
CIELCh	63, 11.251, 198.436
Yxy	31.5869, 0.2841, 0.3289
Android (android.graphics.Color)	4286553758 (0xFF7F9E9E)
YUV	148.7310, 4.5696, -19.0581
Hunter-Lab	56.2022, -11.6902, 0.1410

Details

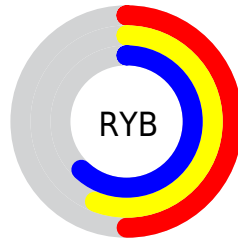
The CIELCh color **63, 11.251, 198.436** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **56, 12.756, 20.747**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 11.459, 198.629**, and **43, 11.398, 198.087** is the 20% darker color. If you saturate the color by 10%, you get **62, 16.425, 197.963**, and if you desaturate by 10%, it is **64, 5.662, 198.968**.

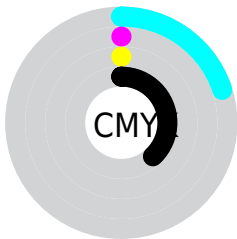
Distribution



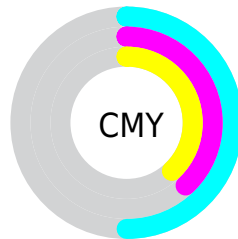
- Red (50%)
- Green (62%)
- Blue (62%)



- Red (50%)
- Yellow (56%)
- Blue (62%)



- Cyan (20%)
- Magenta (0%)
- Yellow (0%)
- Black (38%)





- Cyan (50%)
- Magenta (38%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 11.251, 198.436 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 63, 11.251, 198.436 by changing the saturation by 10% instead.


 63, 11.251,
198.436


 63, 11.251,
198.436


 100, 11.251,
198.436


 53, 11.251,
198.436


 83, 11.251,
198.436

 43, 11.251,
198.436

 93, 11.251,
198.436

 33, 11.251,
198.436

 23, 11.251,
198.436

 13, 11.251,
198.436

 3, 11.251, 198.436

 0, 11.251, 198.436

63, 11.251,
198.436

63, 11.251,
198.436

62, 16.425,
197.963

64, 5.662, 198.968

61, 21.090,
197.554

65, 0.252, 17.579

61, 25.156,
197.205

67, 6.407, 19.913

60, 28.551,
196.918

70, 19.161, 21.149

60, 31.223,
196.694

71, 25.647, 21.766

59, 33.157,
196.534

73, 32.152, 22.384

59, 34.382,
196.432

75, 38.643, 23.000

59, 35.075,

75, 39.050, 23.037

196.375

■ 59, 35.102,
196.373

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



63, 11.251, 198.436



56, 12.756, 20.747

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63, 11.251, 198.436



63, 11.251, 248.436



63, 11.251, 18.436



63, 11.251, 68.436

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



63, 11.252, 198.430



82, 4.438, 199.195



62, 21.123, 142.811



44, 2.963, 199.152



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



63, 11.252, 198.430



80, 16.851, 198.195



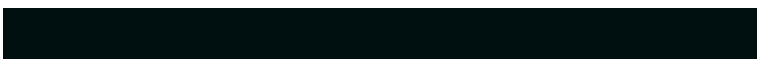
59, 10.145, 256.303



33, 3.339, 198.989



54, 32.546, 196.373



3, 4.473, 199.412

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



56, 12.756, 20.747



69, 19.773, 21.219



60, 10.725, 71.255



31, 3.535, 19.892



29, 67.089, 39.158



1, 4.473, 19.398

Previews

White Background



This preview shows how the CIELCh color 63, 11.251, 198.436 looks on a white background.

Color Contrast Check

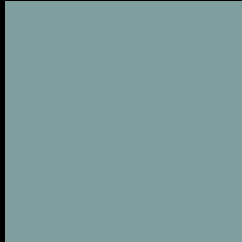
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 63, 11.251, 198.436 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

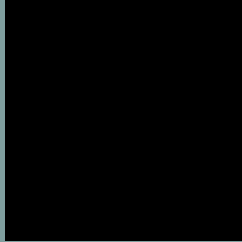
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

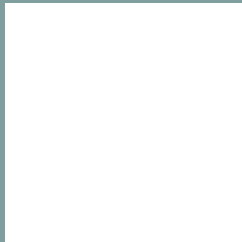
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 63, 11.251, 198.436

Background



This preview shows how black text looks on a background with the CIELCh color 63, 11.251, 198.436.

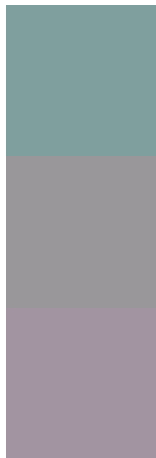


This preview shows how white text looks on a background with the CIELCh color 63, 11.251, 198.436.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).


Dichromacy



Original Color
63, 11.251, 198.436

Protanopia
63, 2.053, 324.443

Deuteranopia
63, 9.292, 328.812



Tritanopia
63, 11.758, 233.689

Trichromacy



Original Color
63, 11.251, 198.436

Protanomaly
63, 3.901, 215.888

Deuteranomaly
63, 4.530, 281.145

Tritanomaly
63, 11.130, 222.442

Monochromacy



Original Color
63, 11.251, 198.436

Achromatopsia
62, 0.008, 296.813

Achromatomaly
62, 4.159, 199.126

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 11.251, 198.436 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(127, 158, 158)` looks like.

```
.text, #text, p{  
    color:rgb(127, 158, 158)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(127, 158, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 158, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 11.251, 198.436 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(127, 158, 158) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(127, 158, 158) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(127, 158, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 158, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 158, 158);  
box-shadow:4px 4px 4px 4px rgb(127, 158,  
158) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 11.251, 198.436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 158, 158) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(127,  
158, 158) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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